

FIGURE 1

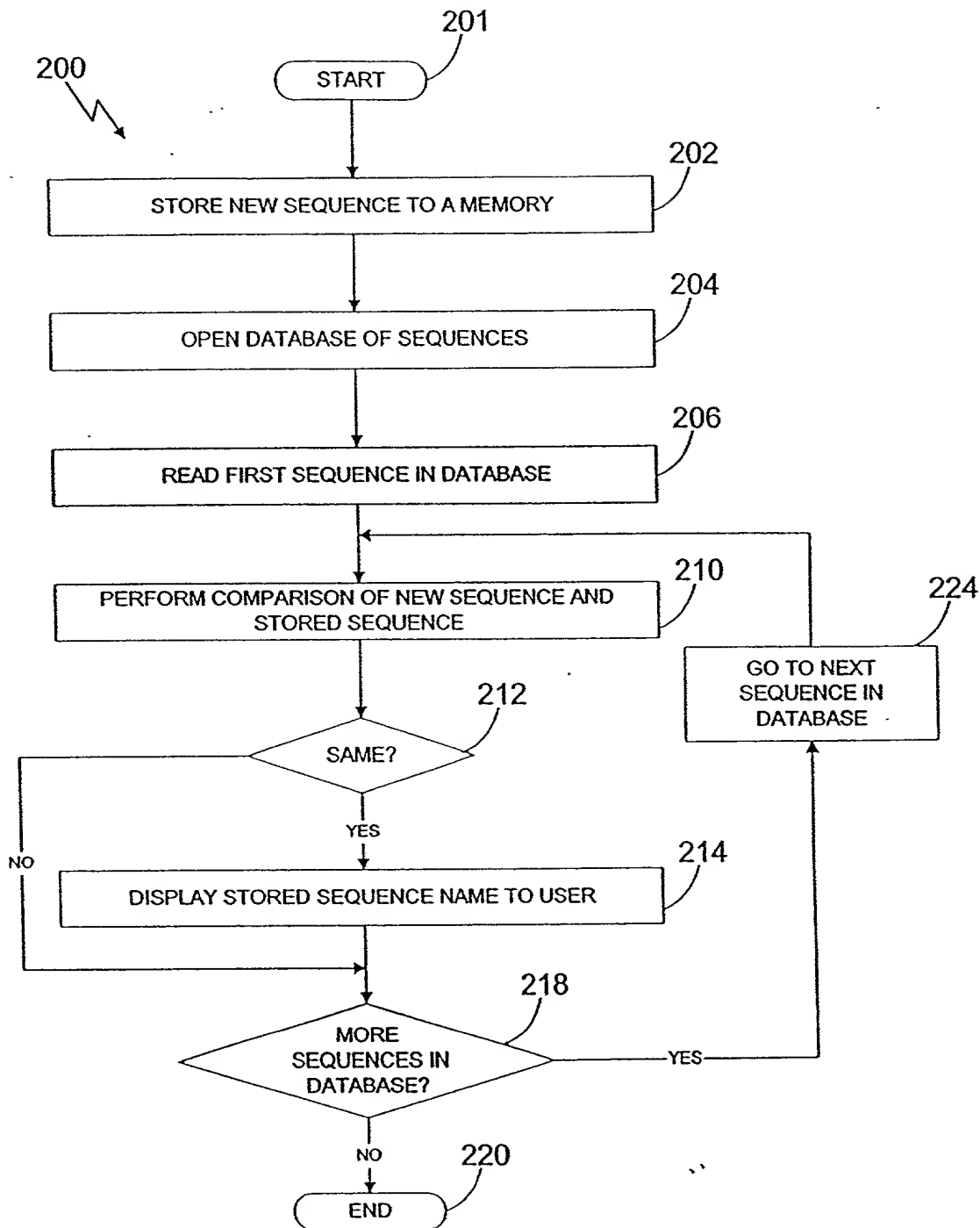


FIGURE 2

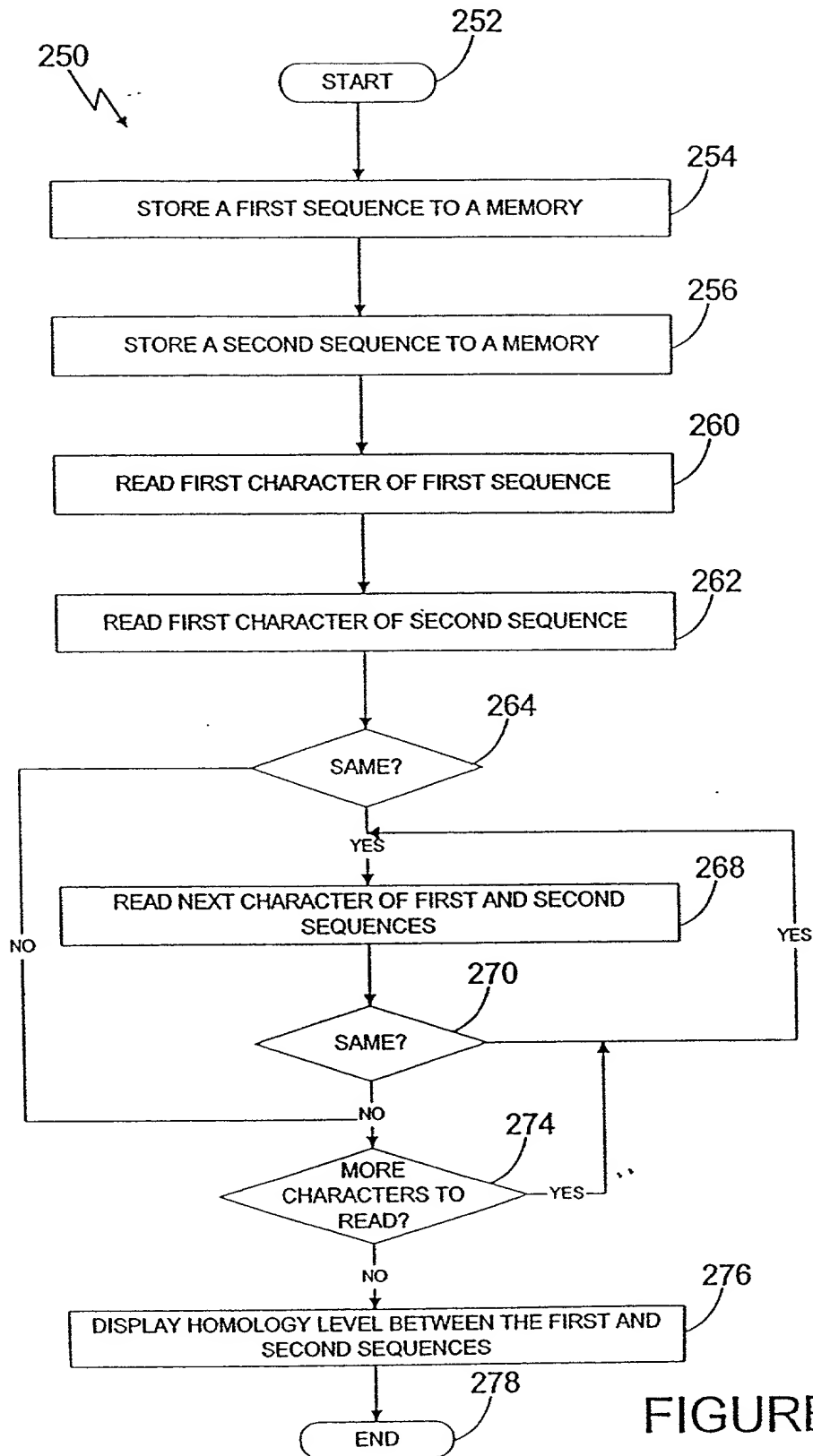


FIGURE 3

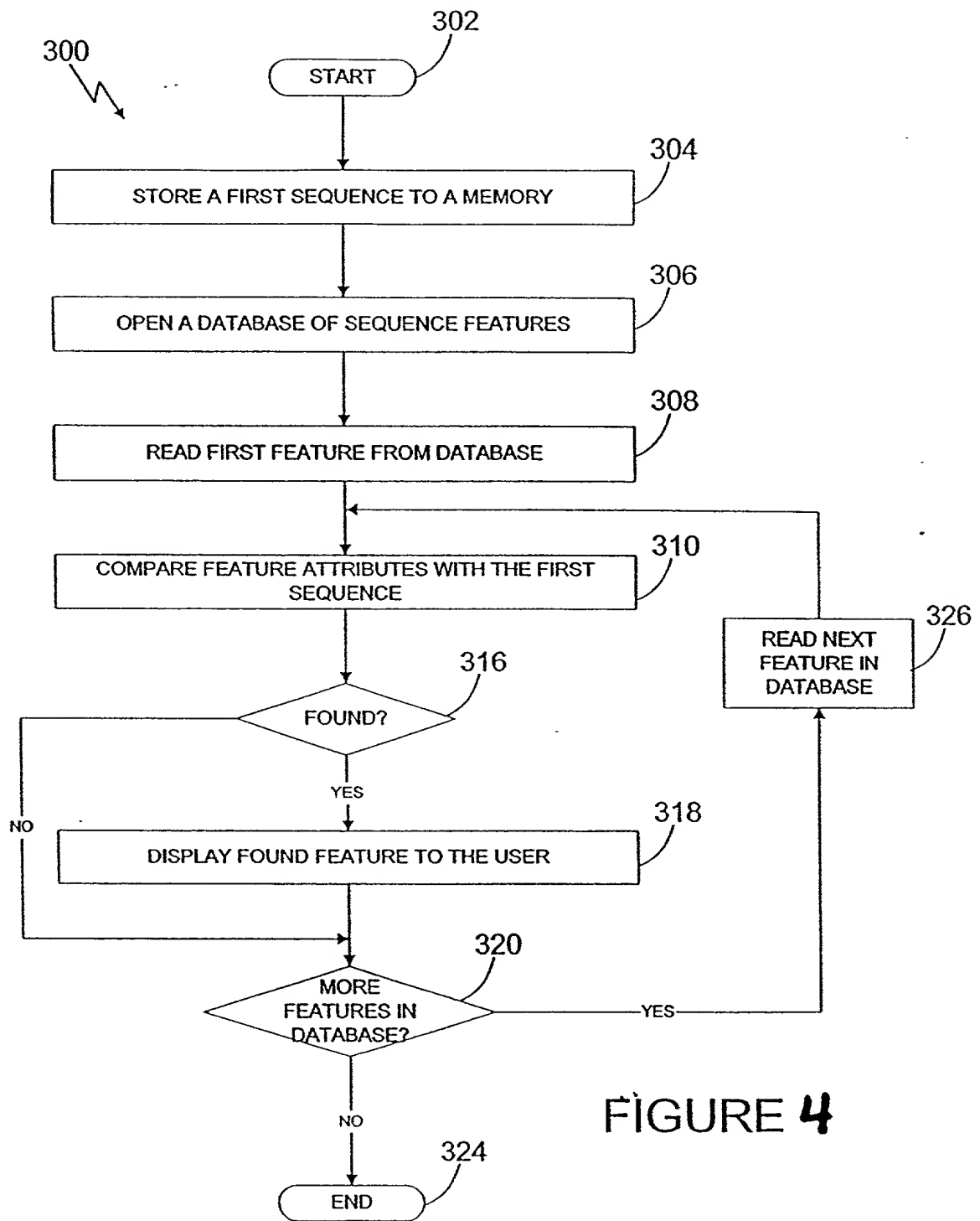


FIGURE 4



FIGURE 6

*Microscilla furvescens* Catalase - 53CA1

(SEQ IDNO:7)

(SEQ IDNO:8)

1	ATG GAA AAT CAC AAA CAC TCA GGA TCT TCT ACG TAT AAC ACA AAC ACT GGC GGA AAA TGC	60
1	Met Glu Asn His Lys His Ser Gly Ser Thr Ser Thr Tyr Asn Thr Asn Thr Gly Gly Lys Cys	20
61	CCT TTT ACC GGA GGT TCG CTT AAG CAA AGT GCA GGT GGC GGC ACC AAA AAC AGG GAT TGG	120
21	Pro Phe Thr Gly Gly Ser Leu Lys Gln Ser Ala Gly Gly Thr Lys Asn Arg Asp Trp	40
121	TGG CCC AAC ATG CTC AAC CTC GGC ATC TTA CGC CAA CAT TCA TCG CTA TCG GAC CCA AAC	180
41	Trp Pro Asn Met Leu Asn Met Leu Gly Ile Leu Arg Gln His Ser Ser Leu Ser Asp Pro Asn	60
181	GAC CCG GAT TTT GAC TAT GCC GAA GAG TTT AAG AAG CTA GAT CTG GCA GCG GTT AAA AAG	240
61	Asp Pro Asp Phe Asp Tyr Ala Glu Glu Phe Lys Lys Leu Asp Leu Ala Val Lys Lys	80
241	GAC CTG GCA GCG CTA ATG ACA GAT TCA CAG GAC TGG TGG CCA GCA GAT TAC GGT CAT TAT	300
81	Asp Leu Ala Ala Leu Met Thr Asp Ser Gln Asp Trp Trp Pro Ala Asp Tyr Gly His Tyr	100
301	GGC CCC TTC TTT ATA CGC ATG GCG TGG CAC AGC GCC GGC ACC TAC CGT ATC GGT GAT GGC	360
101	Gly Pro Phe Phe Ile Arg Met Ala Trp His Ser Ala Gly Thr Tyr Arg Ile Gly Asp Gly	120
361	CGT GGT GGC GGT TCC GGC TCA CAG CGC TTC GCG CCT CTC AAT AGC TGG CCA GAC AAT	420
121	Arg Gly Gly Gly Ser Gly Ser Gln Arg Phe Ala Pro Leu Asn Ser Trp Pro Asp Asn	140
421	GCC AAT CTG GAT AAA GCA CGC TTG CTT CTT TGG CCC ATC AAA CAA AAA TAC GGT CGA AAA	480
141	Ala Asn Leu Asp Lys Ala Arg Lys Leu Leu Trp Pro Ile Lys Gln Lys Tyr Gly Arg Lys	160
481	ATC TCC TGG GCG GAT CTA ATG ATA CTC ACA GGA AAC GTA GCT CTG GAA ACT ATG GGC TTT	540
161	Ile Ser Trp Ala Asp Leu Met Ile Leu Thr Gly Asn Val Ala Leu Glu Thr Met Gly Phe	180
541	AAA ACT TTT GGT TTT GCA GGT GGC AGA GCA GAT GTA TGG GAG CCT GAA GAA GAT GTA	600
181	Lys Thr Phe Gly Phe Ala Gly Gly Arg Ala Asp Val Trp Glu Pro Glu Glu Asp Val	200
601	TGG GGA GCA GAA ACC GAA TGG CTG GGA GAC AAG CGC TAT GAA GGT GAC CGA GAG CTC	660
201	Trp Gly Ala Glu Thr Glu Trp Leu Gly Asp Lys Arg Tyr Glu Gly Asp Arg Glu Leu Glu	220